

**SM612F****Monoclonal Antibody to T Cells / Thymocytes - FITC**

<b>Alternate names:</b>	T Lymphocytes, T-Cells, T-lymphocytes
<b>Quantity:</b>	100 Tests
<b>Concentration:</b>	0.1 mg/ml
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	KEN-5
<b>Immunogen:</b>	Rabbit Thymocytes. Spleen cells from immunised BALB/c mice were fused with cells of the mouse PA1 myeloma cell line.
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction from tissue culture supernatant <b>Purification:</b> Affinity Chromatography on Protein G <b>Buffer System:</b> PBS, pH 7.4 <b>Preservatives:</b> 0.09% Sodium Azide <b>Stabilizers:</b> 1% BSA <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	<b>Flow Cytometry:</b> Use 10 µl of neat antibody to label 10 <sup>6</sup> cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises Rabbit T lymphocytes and immunoprecipitates, a 67kD glycoprotein. This antibody was initially reported as recognising Rabbit CD5 (Ref.1), but does not bind to Rabbit CD5 transfectants. Known Rabbit CD5 antibodies also show binding to most B lymphocytes (Ref.2), which are not labelled by this clone.  <b>Species:</b> Rabbit. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Kotani M, Yamamura Y, Tamatani T, Kitamura F, Miyasaka M. Generation and characterization of monoclonal antibodies against rabbit CD4, CD5 and CD11a antigens. <i>J Immunol Methods</i> . 1993 Jan 4;157(1-2):241-52. PubMed PMID: 7678632. 2. Raman C, Knight KL. CD5+ B cells predominate in peripheral tissues of rabbit. <i>J Immunol</i> . 1992 Dec 15;149(12):3858-64. PubMed PMID: 1281192. 3. Dewals B, Boudry C, Farnir F, Drion PV, Vanderplasschen A. Malignant catarrhal fever induced by alcelaphine herpesvirus 1 is associated with proliferation of CD8+ T cells supporting a latent infection. <i>PLoS One</i> . 2008 Feb 20;3(2):e1627. doi: 10.1371/journal.pone.0001627. PubMed PMID: 18286184.

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5. Gillet L, Schroeder H, Mast J, Thirion M, Renauld JC, Dewals B, et al. Anchoring tick salivary anti-complement proteins IRAC I and IRAC II to membrane increases their immunogenicity. *Vet Res.* 2009 Sep-Oct;40(5):51. doi: 10.1051/vetres/2009034. Epub 2009 Jun 18. PubMed PMID: 19531344.
6. Matsumura T, Kugiyama K, Sugiyama S, Ota Y, Doi H, Ogata N, et al. Suppression of atherosclerotic development in Watanabe heritable hyperlipidemic rabbits treated with an oral antiallergic drug, tranilast. *Circulation.* 1999 Feb 23;99(7):919-24. PubMed PMID: 10027816.
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8. Gu W, Holland M, Janssens P, Seamark R, Kerr P. Immune response in rabbit ovaries following infection of a recombinant myxoma virus expressing rabbit zona pellucida protein B. *Virology.* 2004 Jan 20;318(2):516-23. PubMed PMID: 14972520.